

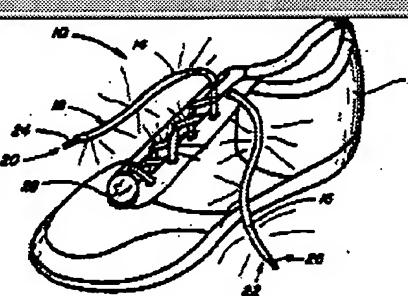
L5: (8) SHOELACE WIT... | US 5430621 A | Tag: S.11 | Doc: 5/8 (SORTED) | Format : KWIC

Referring now to FIG. 6, a second embodiment 100 of the illuminatable shoelace device is shown. The illuminatable shoelace device 100 is similar to the illuminatable shoelace device 10 shown in FIG. 4 and the same reference numbers have been used where appropriate. The main difference between the illuminatable shoelace device 100 and the illuminatable shoelace device 10 being a second LED 102 installed on the circuit board 48. The LED 50 may be a first, such as red, and the second LED 102 may be a second color such as yellow. When movement is detected by the motion sensor 72 of the illuminatable shoelace device 100, LED 50 and LED 102 would emit light and different color lights would be transmitted through the sections 58 and 60. Additionally, LED 50 and LED 102 may be the same color. Also, a plurality of light emitting diodes may be employed instead of LED 50 and LED 102. The plurality of light emitting diodes may be of the same color or different colors. Each one of the plurality of light sources is coupled to at least one of the fiber optic strands.

Details Text Image HTML KWIC

Document ID	Kind Codes	Source
1 US 6397497 B1		USPAT
2 US 5701688 A		USPAT
3 US 5639244 A		USPAT
4 US 5562457 A		USPAT
5 US 5430621 A		USPAT
6 US 5240418 A		USPAT
7 US 5209667 A		USPAT
8 US 4193214 A		USPAT

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L4: (S) 3 AND (DARK... | US 3601909 A | Tag: S | Doc: 5/5 (SORTED) | Format : KWIC

**BSPR:**

Another example of where the removable decorative shoe cover of this invention would be useable is with golf shoes or other shoes which must necessarily be used in grass and dirt, but which must be kept attractive in appearance despite such use. The more expensive golf shoes are made in two colors, usually white or some other light color and some dark color such as black, brown or blue. After having walked for several hours around the golf course, the shoes are spotted and dirty with mud and grass stains. To clean the stains from two tone shoes, each shoe must be washed and each of the colors thereon polished separately and carefully to bring the shoe back to the desired attractive appearance. However, if the second color were provided by a removable decorative covering according to this invention, the second color could be easily removed. Then, the entire shoe could be washed and polished one color, while the entire cover was separately washed and separately polished its own color before the cover was reattached to the polished shoe to produce the attractive appearing two tone golf shoe.

Details Text Image HTML KWIC

Document ID	Kind Codes	Source
1 US 6151715 A		USPAT
2 US 5985383 A		USPAT
3 US 5947845 A		USPAT
4 US 5766704 A		USPAT
5 US 3601909 A		USPAT

FIG. 1. FIG. 2. FIG. 3. FIG. 4. FIG. 5.

FIG. 4. FIG. 5.

DUDLEY E. AMENDOLA  
Robert, Gray, Reid & Mill  
ATTORNEYS.

L1: [2] LACE WITH L... | US 5944347 A | Tag: S | Doc: 2/2 [SORTED] | Format: KWIC

of high color value (lightness) formed against a background of low color value (darkness). Alternatively, the indicia lines or cloth threads may be of low color value (dark, e.g., black) against a high value background (light, e.g., white). When measured according to the ISCC-NBS system, the color of the lines or threads and the color of the background preferably will have a Munsell value difference of at least four (4) in order to provide adequate contrast.

**BSPR:**  
 Preferably the lace cloth or lace pattern indicia (including background matrix) is of a white or other light color superimposed over a black or other dark colored vinyl cloth background substrate. Alternatively, the lace means is of a black or other dark color superimposed over a white or other light colored vinyl cloth substrate. Alternatively, transparent plastic may be substituted for the vinyl cloth and the lace means chosen to be contrasting in color value to the exterior paint of the automobile, which paint will form the background.

Details Text Image HTML KWIC

Document ID Kind Codes Source

1	US PP12054 P2	USPAT
2	US 5944347 A	USPAT

DETAILS OF THE INVENTION

The invention relates to a vehicle having a head cover which is designed to protect the head of a driver, passenger or a child from the effects of a head impact. Specifically, the invention relates to a head cover which is designed to protect the vehicle's head area from head impacts and which is placed on the head without being secured to the head or to the vehicle's body. This relatively soft head cover is more resistant to damage than the covers for the conventional automotive head rests. For this reason, it would appear the purpose of the device is to be worn by the head of a driver, passenger or child. The device described in this application differs from prior art head covers in that the device does not have a fixed or changeable point of attachment to the head or to the vehicle's body. Accordingly, part of the utility of head covers is to prevent an attachment point of attachment or appearance as growth, even in the point of making a personal "headrest".

There is a need, therefore, for an ergonomic head cover which is designed to protect the head area and insure the head appearance as it becomes aged and worn.

Patent application 2, the 5944347 A is generally illustrated by reference to the following illustrative drawings:

U.S. PATENT DOCUMENTS

Patent No.	Inventor	Date Filed
5,482,426	2. Foster	Jan. 25, 1993
5,482,427	1. Ganz	Jan. 25, 1993
5,482,428	2. Stroh	Mar. 22, 1993
5,482,429	2. Stroh	Mar. 22, 1993

SUMMARY OF THE INVENTION

As used herein, "head" means an assembly of bones or bone rapidly preceding one of diverse physical forms and which within man includes not being necessarily limited to man himself. "Head wear" means to be characterized by regular and substantial spacing between front of head and back. The "top" of a head covered is the longitudinal, top surface.

"Head cover" is defined herein as protective head covering a person's head leaving space open posterior. Head covering as herein is substantially nothing different changed from the general term except an open work design of the head covering. The "head" of a head covered is the longitudinal, top surface.

Preferably, the device is nonrigid and bent the pattern lines and the woven fabric are nonresilient. Preferably, the length of the pattern formed by the pattern lines are approximately 10 inches.

Preferably, the head means is composed of three (three) layers of cloth (or) of cloth outer valve (bottom) formed

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L5: (8) SHOELACE WIT... | US 6397497 B1 | Tag: S | Doc: 1/8 (SORTED) | Format : KWIC

BSPR:

Likewise, another patent that suffers from the inherent shortcomings of the previous patent is U.S. Pat. No. 5,701,688 to Crowley entitled "Protective Shoelace Cover". This patent discloses another shoelace cover that is detachably secured to the upper portion of a shoe which is provided with mating fasteners permanently adhered to the exterior of the shoe. The shoelace cover is provided with a translucent window to permit the shoelaces to be seen, particularly if the shoelaces are of different colors, and to provide a medium within the shoelace cover to provide a decorative emblem or feature. In addition to the shortcomings previously enumerated, although this patent eliminates one piece from the previous patent to display the decoration on footwear, it still requires the use of two separate pieces: the mating fasteners on the shoe and the shoelace cover.

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4 US 5562457 A		USPAT
5 US 5430621 A		USPAT
6 US 5240418 A		USPAT
7 US 5209667 A		USPAT
8 US 4193214 A		USPAT

FIG. 3

FIG. 4

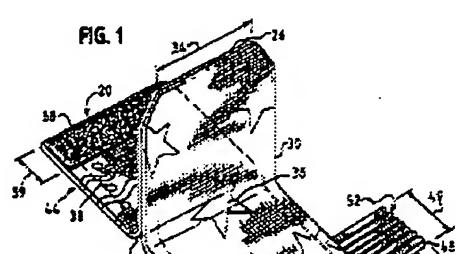
FIG. 5

FIG. 6

BSPR:  
Likewise, another patent that suffers from the previous patent is U.S. Pat. No. 5,701,688 to Shoelace Cover". This patent discloses another detachably secured to the upper portion of a shoe fasteners permanently adhered to the exterior of is provided with a translucent window to permit particularly if the shoelaces are of different within the shoelace cover to provide a decorative addition to the shortcomings previously enumerated eliminates one piece from the previous patent to footwear, it still requires the use of two separate fasteners on the shoe and the shoelace cover.

U.S. Patent Jun. 4, 2003 Sheet 1 of 2 US 6,397,497 B1

FIG. 1



L5: (8) SHOELACE WIT... | US 5240418 A | Tag: S | Doc: 6/8 {SORTED} | Format : KWIC

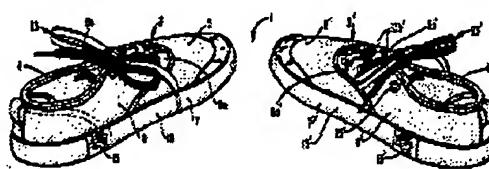
DEPK:

As can be seen in FIG. 4, shoelace 23 is preferably bi-colored, end portion 29 being formed with one color and end portion 31 being formed with a different color. Shoelace 23' is formed in a similar manner. Thus, shoelaces 23 and 23' are specifically adapted for use with the lacing system of the instant invention as described above and as shown in FIG. 2. Various methods are extant for fabricating the bi-colored shoelaces for use in the present invention. These methods include forming the shoelaces by joining together two lengths of differently colored fabric and subsequently forming tips on the free ends thereof, or merely coloring at least one end portion of the shoelace to be a different color than the other end by silk screening, dying or some other coloring process. In a preferred method for forming these shoelaces, two shoelaces of different colors, each having tips formed thereon, are cut in half and the differently colored halves are joined together. This last described method is preferred since it provides a shoelace which has the feel and appearance of a shoelace for adults, thereby making it more appealing to

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6	US 5240418 A		USPAT
7	US 5209667 A		USPAT
8	US 4193214 A		USPAT

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**DEPK:**

As can be seen in FIG. 4, shoelace 23 is preferably formed with one color and end portion 31 is of a different color. Shoelace 23' is formed in a similar manner and is specifically adapted for use with the lacing invention as described above and as shown in FIG. 5 extant for fabricating the bi-colored shoelaces of the invention. These methods include forming the shoelaces from lengths of differently colored fabric and subsequently coloring at least one end of each end thereof, or merely coloring at least one end of each end by silk screening or similar coloring process. In a preferred method for forming the bi-colored shoelaces, each having tips of different colors, and the differently colored halves are joined together. This method is preferred since it provides a shoelace having the appearance of a shoelace for adults, thereby making it more acceptable to children.

**Details Text Image HTML KWIC**

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1 US 6397497 B1		USPAT
2 US 5701688 A		USPAT
3 US 5639244 A		USPAT
4 US 5562457 A		USPAT
5 US 5430621 A		USPAT
6 US 5240418 A		USPAT
7 US 5209667 A		USPAT
8 US 4193214 A		USPAT

**Details Text Image HTML Full**

L5: (8) SHOELACE WIT... | US 5240418 | Tag: S | Doc: 6/8 (SORTED) | "Full" 1/13 (Total images 13)

**United States Patent 5,240,418**

**Inventor:** Edward E. Silverman et al.

**Assignee:** Cessna Inc., Nashville, Tenn.

**Filed:** Mar. 6, 1992

**Priority:** Apr. 10, 1991; Apr. 10, 1991

**Patent Number:** 5,240,418

**Date of Patent:** Aug. 31, 1993

**Attorneys:** Edward E. Silverman et al.

**Patent Examiner:** Charles A. Gersbach

**Abstract:**

A pair of educational shoelaces made of a soft flexible material to prevent children, particularly younger having them. Includes a shoelace of the invention which has one member where the member is properly aligned for winding such children have to accomplish the task of putting the two ends of shoelace on the left foot and right foot of themselves, on the right foot and left foot of themselves, and so on. The required actions to teach children how to properly tie the shoelace, and a resulting easier knotting of the lace in a looped configuration, is made it easier for a child to tie the lace with a bowknot. All of these features exist in an inexpensive product, and therefore may be transported in any type of container for daily wear.

**Claims, 3 Drawing Sheets**

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- D 151851 1992 WO/92/15481
- D 151852 1992 WO/92/15482
- D 151853 1992 WO/92/15483
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- D 151860 1992 WO/92/15490
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- D 151862 1992 WO/92/15492
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- D 151871 1992 WO/92/15501
- D 151872 1992 WO/92/15502
- D 151873 1992 WO/92/15503
- D 151874 1992 WO/92/15504
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- D 151880 1992 WO/92/15510
- D 151881 1992 WO/92/15511
- D 151882 1992 WO/92/

L575: (9) 574 AND SHOE... | US 4094029 A | Tag: S | Doc: 8/9 (SORTED) | Format : FULL

PATENT-FAMILY:		PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
PUB-NO		June 13, 1978	N/A	000	N/A
INT-CL_(IPC): A43D005/00; A44B017/00 ; F16G011/00					

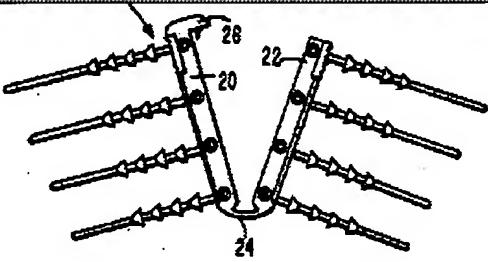
**ABSTRACTED-PUB-NO:** US 4094029A

**BASIC-ABSTRACT:** The fastener (12) which takes place of the conventional shoelace, is a single integrated component formed from an injection moulded polyamide resin or other plastic material, which is reasonably flexible and elastic can be moulded in various colours or dyed after moulding. The fastener (12) has a pair of longitudinal carrier portions (20), (22) which have a thickness and width to produce relatively rigid carriers for the fastener. A hinge such as resilient arcuate band (24) joins the bottom ends of the carriers (20, 22).

Details Text Image HTML Full

Document ID Kind Codes Source

Document ID	Kind Codes	Source
1 JP 2001046109 A		JPO
2 US 3906642 A		EPO
3 JP 2001321204 A		DERWENT
4 DE 20111713 U		DERWENT
5 US 5924221 A		DERWENT
6 US 5639244 A		DERWENT
7 JP 03070505 A		DERWENT
8 US 4094029 A		DERWENT
9 US 3906642 A		DERWENT



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L Number	Hits	Search Text	DB	Time stamp
1	2	LACE WITH LIGHT WITH COLOR AND DARK WITH COLOR SHOE WITH LACE AND COLOR	USPAT	2002/06/19 09:09
2	197	(SHOE WITH LACE AND COLOR ) AND (LIGHT WITH COLOR)	USPAT	2002/06/19 09:09
3	22	((SHOE WITH LACE AND COLOR ) AND (LIGHT WITH COLOR)) AND (DARK WITH COLOR)	USPAT	2002/06/19 09:10
4	5	((SHOE WITH LACE AND COLOR ) AND (LIGHT WITH COLOR)) AND (DARK WITH COLOR)	USPAT	2002/06/19 09:18
5	8	SHOELACE WITH DIFFERENT WITH COLORS	USPAT	2002/06/19 09:44
7	0	(SHOELACE WITH DIFFERENT WITH COLORS ) AND (DARK WITH COLOR)	USPAT	2002/06/19 09:30
6	1	(SHOELACE WITH DIFFERENT WITH COLORS ) AND (LIGHT WITH COLOR)	USPAT	2002/06/19 09:33
8	353950	SHOELACE WITH DARK COLOR OR COLOUR	USPAT	2002/06/19 09:34
9	77578	(SHOELACE WITH DARK COLOR OR COLOUR ) AND (LIGHT WITH COLOR)	USPAT	2002/06/19 09:35
10	815	((SHOELACE WITH DARK COLOR OR COLOUR ) AND (LIGHT WITH COLOR)) AND SHOE	USPAT	2002/06/19 09:36
11	64	((((SHOELACE WITH DARK COLOR OR COLOUR ) AND (LIGHT WITH COLOR)) AND SHOE ) AND POLYESTER WITH FIBERS	USPAT	2002/06/19 09:38
12	0	((((SHOELACE WITH DARK COLOR OR COLOUR ) AND (LIGHT WITH COLOR)) AND SHOE ) AND POLYESTER WITH FIBERS ) AND (HALF WITH LIGHT WITH COLOR)	USPAT	2002/06/19 09:38
13	25	((((SHOELACE WITH DARK COLOR OR COLOUR ) AND (LIGHT WITH COLOR)) AND SHOE ) AND POLYESTER WITH FIBERS ) AND YELLOW	USPAT	2002/06/19 09:39
14	17	((((SHOELACE WITH DARK COLOR OR COLOUR ) AND (LIGHT WITH COLOR)) AND SHOE ) AND POLYESTER WITH FIBERS ) AND YELLOW ) AND BLUE	USPAT	2002/06/19 09:43
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L Number	Hits	Search Text	DB	Time stamp
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3	22	(SHOE WITH LACE AND COLOR ) AND (LIGHT WITH COLOR)	USPAT	2002/06/19 09:10
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5	8	SHOELACE WITH DIFFERENT WITH COLORS	USPAT	2002/06/19 09:44
7	0	(SHOELACE WITH DIFFERENT WITH COLORS ) AND (DARK WITH COLOR)	USPAT	2002/06/19 09:30
6	1	((SHOELACE WITH DIFFERENT WITH COLORS ) AND (LIGHT WITH COLOR))	USPAT	2002/06/19 09:33
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9	77578	((SHOELACE WITH DARK COLOR OR COLOUR ) AND (LIGHT WITH COLOR))	USPAT	2002/06/19 09:35
10	815	((SHOELACE WITH DARK COLOR OR COLOUR ) AND (LIGHT WITH COLOR)) AND SHOE	USPAT	2002/06/19 09:36
11	64	((((SHOELACE WITH DARK COLOR OR COLOUR ) AND (LIGHT WITH COLOR)) AND SHOE ) AND POLYESTER WITH FIBERS	USPAT	2002/06/19 09:38
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23	345	(24/712,715.4,714.3).CCLS.	USPAT	2002/06/19 10:33
572	518349	A43C011/00.IPC.NOT US.PC.AND DIFFERENT WITH COLORS OR COLOURS	EPO; JPO; DERWENT	2002/06/19 10:36
573	518349	(A43C011/00.IPC.NOT US.PC.AND DIFFERENT WITH COLORS OR COLOURS ) AND (LIGT WITH COLOR OR COLOUR)	EPO; JPO; DERWENT	2002/06/19 10:37
574	1110	((A43C011/00.IPC.NOT US.PC.AND DIFFERENT WITH COLORS OR COLOURS ) AND (LIGT WITH COLOR OR COLOUR) ) AND SHOE	EPO; JPO; DERWENT	2002/06/19 10:37
575	9	((((A43C011/00.IPC.NOT US.PC.AND DIFFERENT WITH COLORS OR COLOURS ) AND (LIGT WITH COLOR OR COLOUR) ) AND SHOE ) AND SHOELACE	EPO; JPO; DERWENT	2002/06/19 10:37